0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form PCT/RO/101 PCT Request	_
0-4-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.175)
0-5	Petition	
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Japan Patent Office (RO/JP)
0-7	Applicant's or agent's file reference	PH-2365-PCT
ī	Title of Invention	COOLANT AND COOLING SYSTEM
H	Applicant	
II-1	This person is	applicant only
II-2	Applicant for	all designated States except US
11-4	Name	TOYOTA JIDOSHA KABUSHIKI KAISHA
II-5	Address	1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan
II-6	State of nationality	JP
11-7	State of residence	
		JP
111-1	Applicant and/or Inventor	71 mark and demanded
III-1-1	This person is	applicant and inventor
III-1-2	Applicant for	US only
III-1 -4	Name (LAST, First)	NISHII, Mikito
III-1-5	Address	c/o Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan
III-1-6	State of nationality	JP
III-1-7	State of residence	JP
		UF

III-2	Applicant and/or inventor	
111-2-1	This person is	applicant and inventor
111-2-2	Applicant for	US only
111-2-4	Name (LAST, First)	ARAI, Hiroyuki
III-2-5	Address	c/o Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan
111-2-6	State of nationality	JР
111-2-7	State of residence	JP
III-3	Applicant and/or inventor	
III-3-1	This person is	applicant and inventor
111-3-2	Applicant for	US only
III-3-4	Name (LAST, First)	SAKAI, Tsutomu
III-3-5	Address	c/o KRI, Inc., Kyoto Research Park, 134, Chudojiminami-machi, Shimogyo-ku, Kyoto- shi, Kyoto 6008813 Japan
III-3- 6	State of nationality	JΡ
III-3-7	State of residence	JP
111-4	Applicant and/or inventor	
111-4-1	This person is	applicant and inventor
111-4-2	Applicant for	US only
111-4-4	Name (LAST, First)	KONDO, Mitsuru
III-4-5	Address	c/o KRI, Inc., Kyoto Research Park, 134, Chudojiminami-machi, Shimogyo-ku, Kyoto- shi, Kyoto 6008813 Japan
111-4-6	State of nationality	JP
111-4-7	State of residence	JP

IV-1	Agent or common representative; or address for correspondence		
	The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent	
IV-1-1	Name (LAST, First)	HIRAKI, Yusuke	
IV-1-2	Address	Kamiya-cho, MT Bldg., 19F, 3-20, Toranomon 4-chome, Minato-ku, Tokyo 1050001 Japan	
IV-1-3	Telephone No.	03-5425-1800	
IV-1-4	Facsimile No.	03-5425-0981	
IV-1-5	e-mail	hiraki@hiraki-patent.co.jp	
IV-2	Additional agent(s)	additional agent(s) with same address as first named agent	
IV-2-1	Name(s)	SEKIYA, Mitsuo; WATANABE, Toshiaki; SEKIGUCHI, Tsuruhiko	
V	DESIGNATIONS		
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the International filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.		
VI-1	Priority claim of earlier national		
VI-1-1	application Filing date	31 January 2004 (31.01.2004)	
VI-1-2	Number	2004-005955	
VI-1-3	Country	JP	
VI-2	Priority document request		
	The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1	
VII-1	International Searching Authority Chosen	Japan Patent Office (ISA/JP)	

VIII	Declarations	Number of declarations	***
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	•	
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	6	✓
IX-2	Description	13	•
IX-3	Claims	1	-
IX-4	Abstract	1	✓
IX-5	Drawings	6	-
IX-7	TOTAL	27	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
-	Accompanying Items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-17	PCT-SAFE physical media	-	√
IX-19	Figure of the drawings which should accompany the abstract	1	
IX-20	Language of filing of the international application	Japanese	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	HIRAKI, Yusuke	
X-1-2	Name of signatory		·
X-1-3	Capacity	<u> </u>	·
X-2	Signature of applicant, agent or common representative		
X-2-1	Name (LAST, First)	SEKIYA, Mitsuo	
X-2-2	Name of signatory		
X-2-3	Capacity		

Paper Copy (NOT for submission)

X-3	Signature of applicant, agent or common representative	
X-3-1	Name (LAST, First)	WATANABE, Toshiaki
X-3-2	Name of signatory	
X-3-3	Capacity	
X-4	Signature of applicant, agent or common representative	
X-4-1	Name (LAST, First)	SEKIGUCHI, Tsuruhiko
X-4-2	Name of signatory	
X-4-3	Capacity	

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10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/JP
10-6	Transmittal of search copy delayed until search fee is paid	

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11-1	Date of receipt of the record copy by	
	the International Bureau	
		L.,